

### **AMENDMENTS TO THE CLAIMS**

Please replace all prior versions, and listings, of claims in the application with the following list of claims:

1. (Currently amended) A composition which comprises an ingredient which is adversely affected by UV light in the presence of  $\text{TiO}_2$  and/or  $\text{ZnO}$ , and  $\text{TiO}_2$  and/or  $\text{ZnO}$  ~~which has been~~ doped with another element and/or reduced  $\text{ZnO}$ , wherein the composition contains  $\text{TiO}_2$  and/or  $\text{ZnO}$  which is not doped or reduced.
2. (Canceled)
3. (Previously presented) A composition according to claim 1 wherein the dopant is manganese, vanadium, chromium or iron.
4. (Original) A composition according to claim 3 wherein the dopant is  $\text{Mn}^{3+}$ .
5. (Previously presented) A composition according to claim 1 wherein the dopant is present in an amount from 0.05% to 10 mole %.
6. (Currently amended) A composition according to claim 5 wherein the dopant is present in an amount from 0.5 to 2 mole % ~~by weight~~.
7. (Previously presented) A composition according to claim 1 which comprises doped titanium dioxide.
8. (Previously presented) A composition according to claim 1 wherein the titanium dioxide is in rutile form.

9. (Previously presented) A composition according to claim 1 which comprises reduced zinc oxide.
10. (Previously presented) A composition according to claim 1 wherein doped and/or undoped  $\text{TiO}_2$  and/or  $\text{ZnO}$  therein is coated with an inorganic or organic coating.
11. (Currently amended) A composition according to claim 1 which comprises 0.5 to 20 ~~mole~~ % by weight of the doped  $\text{TiO}_2$  or  $\text{ZnO}$  or reduced  $\text{ZnO}$ .
12. (Previously presented) A composition according to claim 1 wherein the doped or reduced oxide has a particle size from 1 to 200 nm.
13. (Previously presented) A composition according to claim 1 wherein the doped or reduced oxide has a particle size from 100 to 500 nm.
14. (Previously presented) A composition according to claim 1 which is a UV sunscreen composition.
15. (Previously presented) A composition according to claim 1 which is suitable for cosmetic use.
16. (Currently amended) A composition according to claim 14 having a rate of loss of UV absorption at least 5% less than that of a composition having the same formulation except that it does not contain the said  $\text{TiO}_2$  and/or  $\text{ZnO}$  ~~which has been~~ doped with another element or the said reduced zinc oxide.
17. (Previously presented) A composition according to claim 1 which contains a UV sunscreen agent which is adversely affected by  $\text{TiO}_2$  and/or  $\text{ZnO}$ .

18. (Currently amended) A composition according to claim 14 wherein the UV sunscreen composition includes an organic sunscreen agent that is a paraaminobenzoic acid, ester or derivative thereof, a methoxy cinnamate ester, a benzophenone, a dibenzylomethane, an alkyl- $\beta,\beta$ -phenyl acrylate, a triazine, a camphor derivative, an organic pigment, a silicone based sunscreen agent or 2-phenylbenzimidazolephenylbenzimidazol-5 sulphonic acid ~~or~~, phenyldibenzimidazole phenyldibenzimidazol sulphonic acid or salts thereof.
19. (Previously presented) A composition according to claim 16 wherein the rate of change of the ratio of the loss of UVA absorption to the loss of UVB absorption is less than that of a composition of the same formulation except that the TiO<sub>2</sub> and/or ZnO present is not doped.
20. (Original) A composition according to claim 19 wherein the rate of change of the ratio is greater because the rate of loss of UVA absorption is reduced.
21. (Previously presented) A composition according to claim 14 which comprises 0.1% to 20% by weight of organic sunscreen agent(s).
22. (Previously presented) A composition according to claim 14 which contains one or more of a fatty substance, organic solvent, silicone, thickener, demulcent, UVB sunscreen agent, antifoaming agent, moisturising agent, perfume preservative, surface activation filler, sequestrant, anionic, cationic, nonionic or amphoteric polymer, propellant, alkalising or acidifying agent, colorant, metal oxide pigment, vitamin, antioxidant, anti-ageing factor and stabilizer.
23. (Previously presented) A composition according to claim 14 which is a sunscreen.
24. (Previously presented) A composition according to claim 14 which is in the form of a lotion, gel, dispersion, cream, milk, powder or solid stick.

25. (Previously presented) A composition according to claim 23 which comprises a water-dispersible and an oil-dispersible  $\text{TiO}_2$  and/or  $\text{ZnO}$ .
26. (Previously presented) A composition according to claim 1 which is a polymeric composition.
27. (Original) A composition according to claim 26 wherein the ingredient which is adversely affected by  $\text{TiO}_2$  and/or  $\text{ZnO}$  suffers a change in physical properties.
28. (Previously presented) A composition according to claim 27 wherein the physical property is tensile strength.
29. (Currently amended) A composition according to ~~of~~ claim 27 wherein the physical property is colour.
30. (Previously presented) A composition according to claim 26 wherein the polymeric composition is thermoplastic.
31. (Previously presented) A composition according to claim 26 wherein the polymeric composition is thermosetting.
32. (Previously presented) A composition according to claim 26 which is in the form of a three dimensional article.
33. (Previously presented) A composition according to claim 26 which is in the form of a film.
34. (Original) A composition according to claim 33 which is in the form of a photographic film.

35. (Previously presented) A composition according to claim 26 which is in the form of a coating composition.
36. (Original) A composition according to claim 35 which is in the form of a paint or varnish.
37. (Previously presented) A composition according to claim 1 wherein the ingredient which is adversely affected by  $\text{TiO}_2$  and/or  $\text{ZnO}$  is an ethylenically unsaturated compound or one possessing a labile hydrogen atom.
38. (Canceled)
39. (Withdrawn) A method to reduce the concentration of one or more organic UV sunscreen agents adversely affected by  $\text{TiO}_2$  and/or  $\text{ZnO}$  in a cosmetic UV screening composition, comprising incorporating into the composition a doped or reduced  $\text{TiO}_2/\text{ZnO}$  as defined in claim 1.
40. (Withdrawn) A method to reduce the rate of loss in UV absorption of a sunscreen composition containing an organic UV sunscreen agent which is adversely affected by  $\text{TiO}_2$  and/or  $\text{ZnO}$ , comprising incorporating into the composition a doped or reduced  $\text{TiO}_2/\text{ZnO}$  as defined in claim 1.
41. (Withdrawn) A method of increasing the effectiveness of an organic UV sunscreen composition which comprises one or more components which are degraded by  $\text{TiO}_2$  and/or  $\text{ZnO}$  which comprises incorporating into the composition a doped or reduced  $\text{TiO}_2/\text{ZnO}$  as defined in claim 1.
42. (Withdrawn) A method of increasing the UV spectrum of a sunscreen formulation which comprises an organic sunscreen agent which is adversely affected by  $\text{TiO}_2$  and/or  $\text{ZnO}$  which comprises incorporating in the formulation doped  $\text{TiO}_2$  and/or doped or reduced  $\text{ZnO}$  as defined in claim 1.

43. (Withdrawn) A method of reducing the production of a toxic compound in a UV sunscreen composition which contains an ingredient which produces a toxic compound due to the presence of  $\text{TiO}_2$  and/or  $\text{ZnO}$  which comprises incorporating therein doped  $\text{TiO}_2$  and/or doped or reduced  $\text{ZnO}$  as defined in claim 1.

44. (Withdrawn) A method of reducing the adverse effects of  $\text{TiO}_2$  and/or  $\text{ZnO}$  on one or more components of a composition which comprises incorporating in the composition a doped or reduced  $\text{TiO}_2/\text{ZnO}$  as defined in claim 1.

45. (New) A composition according to claim 10 wherein the inorganic coating is an oxide of aluminium, zirconium or silicon, and the organic coating is one or more of an organic material selected from polyol, amine, alkanolamine, polymeric organic silicon compound, hydrophilic polymer and surfactant.

46. (New) A composition according to claim 1 wherein the  $\text{TiO}_2$  and/or  $\text{ZnO}$  which is not doped has a particle size of at least 100 nm.